



Matt Mead, Governor

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



John Corra, Director

February 1, 2011

PBR, INC.
Attn: John Katzenberger
P.O. Box 1752
Worland, Wyoming 82401

RE: **APPROVAL** of: PBR 1000, and 1500 gallon Two Compartment Concrete Septic Tanks for use in Wyoming.

Dear Mr. Katzenberger:

The Water Quality Division(WQD) of the Wyoming Department of Environmental Quality(DEQ) has received and reviewed the specifications for the two sizes of PBR two compartment concrete septic tanks. The WQD finds that these septic tank designs do meet the minimum requirements as identified in Chapter 11, Section 39 of the Water Quality Rules and Regulations, with one exception.

Because there are no clean-outs provided on these tanks, the two **APPROVED Models (1000, and 1500 gallon sizes)** will be required to extend the manways to the ground surface. Therefore, the approved models are now **eligible to be placed on the WQD list of septic tanks approved for use in Wyoming**, with the following condition:

“The manways on the septic tanks (one on each compartment) must be extended to the ground surface because there are no clean-outs provided on PBR, INC. septic tanks.”

If you should have any questions, please call me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Southeast District Assistant Engineer
SE District, Water Quality Division

RLE/rm/11-0112

cc: Septic Tank Status File
Suzanne Engels, WQD, W&WW Section, Web Page Maintenance



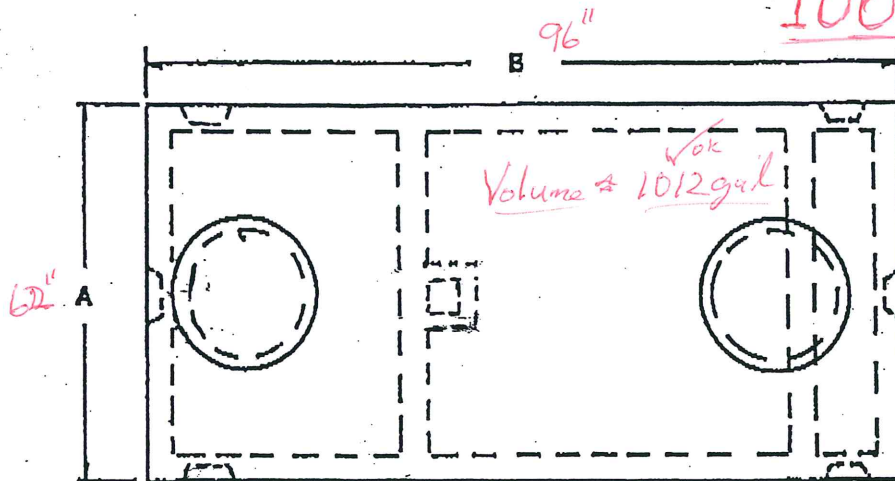
PBR, INC. — 1000 gal Tank

Approved by RLF 02-01-2011

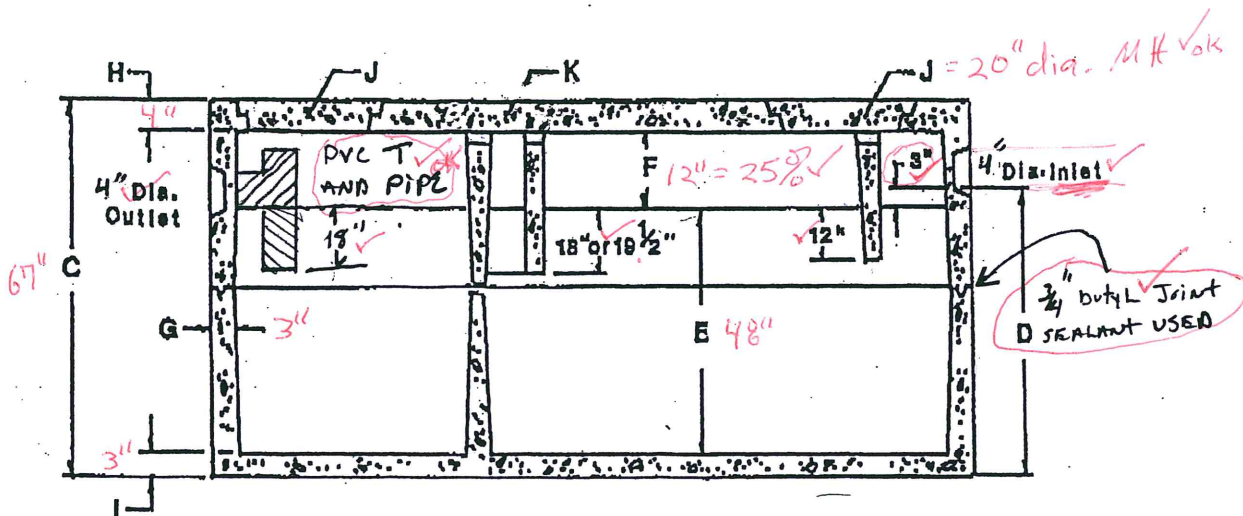
DATA CHART

GALLONS	A	B	C	D	E	F	G	H	I	J	K	Conc. Req'd (Cu. Yds)
500	40"	80"	67"	54"	48"	9"or 12"	3"	3"or 4"	3"or 4"	18"or 20"	6"x9" or 10"x14"	1.56
750	48"	96"	"	"	"	"	"	"	"	"	"	1.99
900	53"	102"	"	"	"	"	"	"	"	"	"	2.19
1,000	58"	102"	"	"	"	"	"	"	"	"	"	2.28
1,000	62"	96"	"	"	"	12"	"	4"	3"	20"	"	2.33
1,250	60"	120"	"	"	"	"	"	"	"	"	"	2.65
1,500	68"	126"	"	"	"	"	"	"	"	"	"	2.97
2,000	78"	144"	"	"	"	"	"	"	"	"	"	3.59

NOTE: For IMP. Gallons multiply gallons X .80



TOP VIEW



ELEV. VIEW

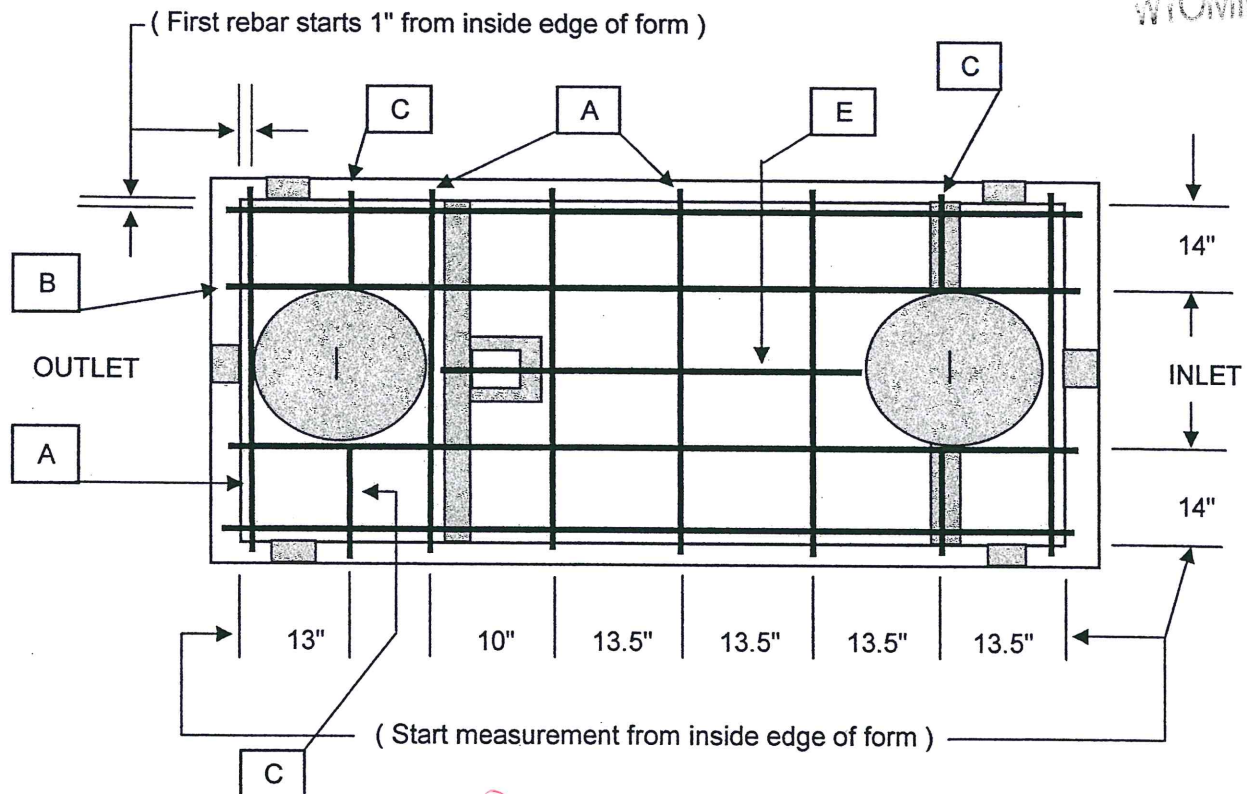
Ron

TOP VIEW 1000 GALLON TANK

ED

DEC 2 - 2010

WYOMING DIVISION

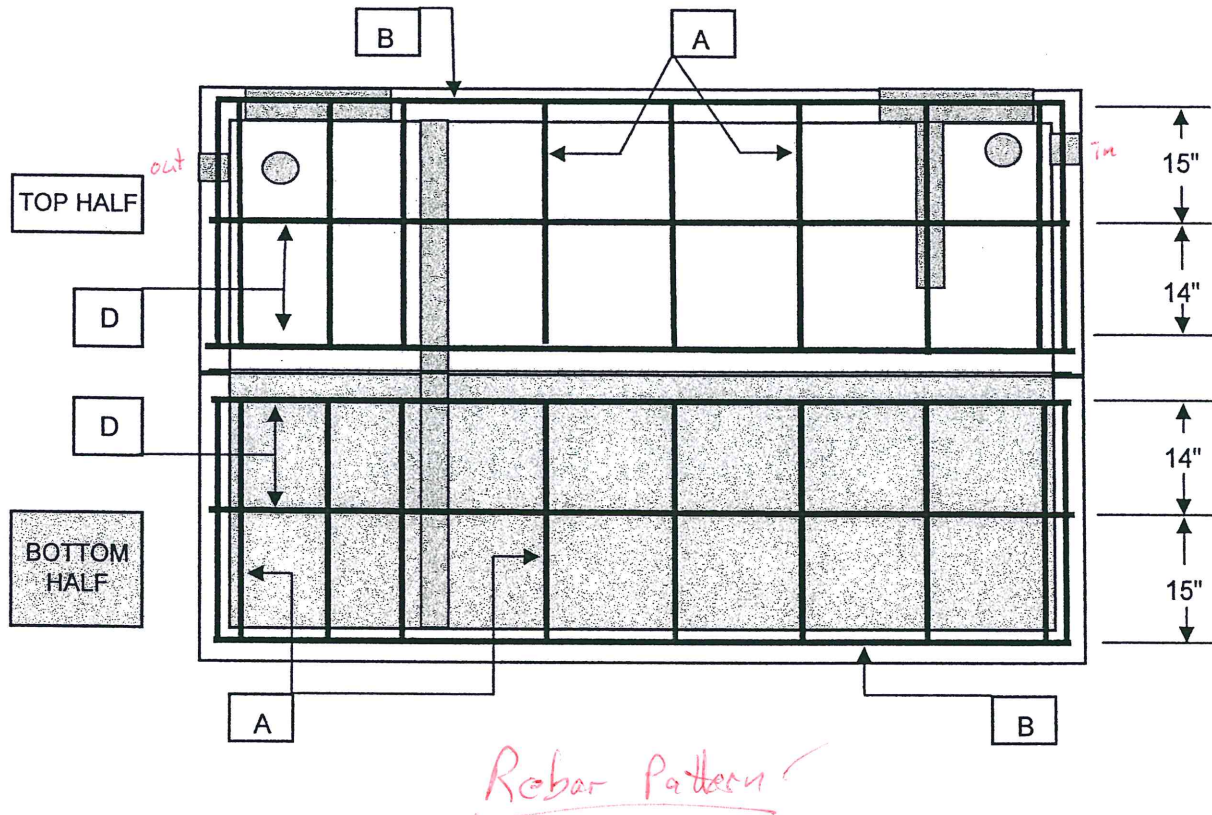


Rebar Pattern

NOTES: Concrete with fiber 4,000 PSI MINIMUM AFTER 28 DAYS.

PBR, INC. 429 Hwy 20 N Worland, WY 82401	SEPTIC TANK 1000 GALLON
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SIDE VIEW 1000 GALLON TANK

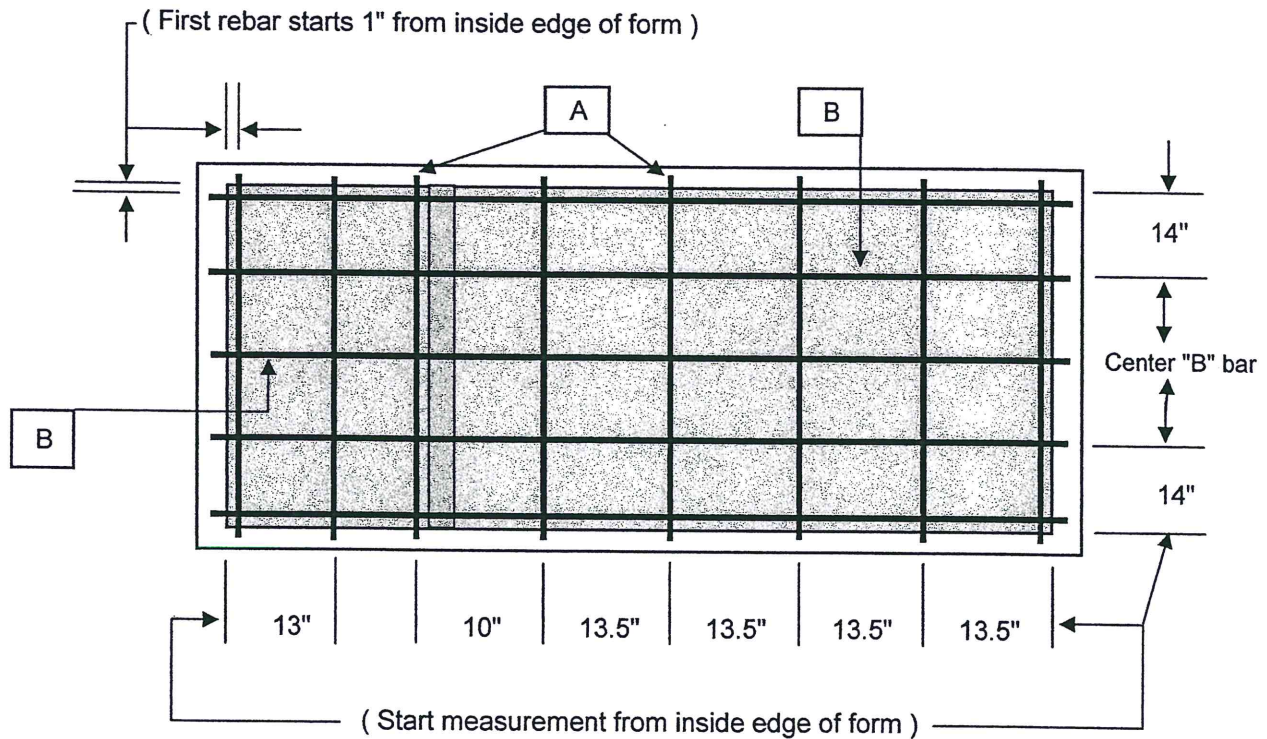


NOTES: Concrete with fiber 4,000 PSI MINIMUM AFTER 28 DAYS.

PBR, INC.
429 Hwy 20 N
Worland, WY 82401

SEPTIC TANK
1000 GALLON

BOTTOM VIEW 1000 GALLON TANK



Rebar Pattern

NOTES: Concrete with fiber 4,000 PSI MINIMUM AFTER 28 DAYS.

PBR, INC. 429 Hwy 20 N Worland, WY 82401	SEPTIC TANK 1000 GALLON Rev. 10/2010
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REBAR MATERIAL LIST 1000 GALLON TANK

<div><div><div></div><div>56 1/2"</div><div></div></div><div><div>29"</div><div></div></div><div><div>A</div><div>Total Length = 114 1/2"</div></div><div><div></div><div>29"</div><div></div></div></div>				LENGTH	TOTAL LENGTH	
ROD	QTY	INCHES	FEET	DIA		
A	14	114.5	133.58	# 3		
B	18	80	120.00	# 3		
C	4	46	15.33	# 3		
D	16	89	118.67	# 3		
E	1	40	3.33	# 3		
Handle	2	24	4.00	# 3		
TOTAL FEET USED			394.92			

<div><div><div></div><div>51"</div><div></div></div><div><div>29"</div><div></div></div><div><div>B</div><div>Total Length = 80"</div></div></div>
<div><div><div></div><div>17"</div><div></div></div><div><div>29"</div><div></div></div><div><div>C</div><div>Total Length = 46"</div></div></div>
<div><div><div></div><div>51"</div><div></div></div><div><div>38"</div><div></div></div><div><div>D</div><div>Total Length = 89"</div></div><div>D bar runs continuously around the tank</div></div>
<div><div><div></div><div>40"</div><div></div></div><div><div>E</div></div></div>
<div><div><div><div>6"</div><div>5"</div><div>4"</div></div><div><div>HANDLE</div><div>Total Length = 24"</div></div></div></div>

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SEPTIC TANK
1000 GALLON